



Allegheny Energy Supply
an Allegheny Energy company

PLEASANTS/WILLOW ISLAND REGION
#1 Power Station Boulevard
Willow Island, WV 26134-9726

August 22, 2017

Electronic Submission:
DEPAirQualityReports@wv.gov

Mr. William F. Durham, Director
Division of Air Quality
WV Dept. of Environmental Protection
601 57th Street, SE
Charleston, WV 25304

RE: Pleasants / Willow Island Power Stations
Title V Operating Permit #R30-07300005-2013 (MM01)
January 1, 2017 – June 30, 2017

45CSR30-5.1.c.3.A Title V Semi-Annual Monitoring Report
40CFR64 Compliance Assurance Monitoring (CAM) Plan Report

Dear Mr. Durham:

The enclosed submittal satisfies the Title V Semi-Annual reporting requirement for Permit #R30-07300005-2013 (MM01) issued for the Pleasants / Willow Island Power Stations. The semi-annual monitoring report is required by Condition 3.5.6 of the Title V permit and covers the period from January 1, 2017 through June 30, 2017.

In the correspondence dated December 21, 2012 from Mark Sowa to John Benedict, we detailed our plans concerning Title V compliance submittals for the long term cold storage effective September 1, 2012. This correspondence confirms that Willow Island Station remained in cold storage throughout the first and second quarter of 2017.

If you have any questions or require additional information, please contact Carol L. Hoffman at telephone (304) 665-3207 or via email at choffm2@firstenergycorp.com.

Sincerely,

Carol L. Hoffman
Advanced Scientist

Enclosures

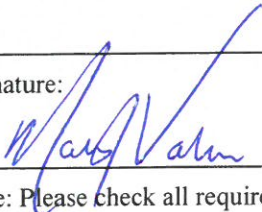
**WV Division of Air Quality**601 57th Street SE

Charleston, WV 25304

Telephone Number: (304) 926-0475

Fax Number: (304) 926-0478

TITLE V OPERATING PERMIT SEMI-ANNUAL MONITORING REPORT

Name of Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation	Name of Facility: Pleasants / Willow Island Power Station
Permit Number: R30-07300005- 2013 (MM01)	AFS Plant ID Number: 03-54-07300005
Mailing Address: No.1 Power Station Boulevard Willow Island, WV 26134	Contact Person: Tonia A. Downs Title: Engineer V Telephone: (724) 838-6057
For the reporting period beginning 01 / 01 / 2017 and ending 06 / 30 / 2017	
Based upon the specific test methods, monitoring, record keeping and/or reporting required under the permittee's Title V Operating Permit and any other information reasonably available, I, the undersigned, hereby certify for the reporting period stated above that based on information and belief formed after reasonable inquiry, the statements and information in this document and attachments are true, accurate, and complete. ¹	
Responsible Official ²	
Name: Mark J. Valach	Title: Director, Pleasants Power Station
Signature: 	Date: 8-22-2017
Note: Please check all required attachments included with this Semi-Annual Monitoring Report.	
<input checked="" type="checkbox"/> Form B - Semi-Annual Monitoring Report	<input checked="" type="checkbox"/> Form C - Deviation Report
<small>¹ Please note that the West Virginia Code states that any person who knowingly misrepresents any material fact in an application, record, report, plan or other document filed or required to be maintained is guilty of a misdemeanor and may be subject to fines and/or imprisonment in accordance with W.V.A. Code §22-5-6(b).</small>	
<small>² A Responsible Official as defined by 45CSR§30-2.38. must sign this certification.</small>	

Form B - Semi-Annual Monitoring Report

Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation		Facility: Pleasants / Willow Island Power Station	Permit Number: R30-07300005-2013 (MM01)
For the reporting period beginning 01 / 01 / 2017 and ending 06 / 30 / 2017			
Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Facility Wide	3.4.1 Records of monitoring information that include date & time of sampling, date of analysis, entity performing analysis, method, results, and operating conditions (RATA).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PLS U1 RATAs: 02/14/2017 & 02/15/2017 PLS U2 RATAs: 03/14/2017 & 04/12/2017
Facility Wide	3.4.3 Records of odor complaints received. Records are required to be maintained for five years.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Facility Wide	3.4.4 Records of fugitive dust control systems maintenance and times when they were inoperable.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Facility Wide	3.4.4 Records of the use of any dust suppressants or any other suitable control measures applied at the facility	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Facility Wide	3.4.4 Records of fugitive dust control systems inspections	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Stack 1.2	4.2.1 Maintain operating and fuel use records. Submit a quarterly startup/shutdown log.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1 st Quarter submitted 04/25/2017 2 nd Quarter submitted 07/24/2017
Pleasants Stack 1.2	4.2.1 Visible Emissions monitoring: CAM monitoring in accordance with 45CSR2 monitoring plan (3-hr block averages of ESP power, semi-annual CAM report)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	July-Dec 2016 submitted 3/7/2017 Jan-June 2017 with this submittal
Pleasants Stack 1.2	4.3.1 Particulate matter stack testing in accordance with Monitoring Plan (45CSR2).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit 1 07/07/2015 Unit 2 09/01/2015
Pleasants Aux Blr Stk	4.2.1 Visible Emissions monitoring: Monthly Method 9 readings for auxiliary boilers if operating 24+ consecutive hours and weather/lighting permits a reading.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:

All sources must complete this section. Use the table above to summarize all required monitoring, data, or analyses for the 6-month period. In the first column, list the emission units upon which the monitoring was performed. Use any Emission Unit ID's assigned in the permit, if no ID's in permit, generally describe. In the second column, describe the monitoring, data, or analysis and cross-reference the relevant permit term. In the third column indicate whether a separate monitoring report is required. Lastly, complete the fourth column only if you are required to submit a separate monitoring report. If submitted previously, indicate the date you submitted it; if submitted for the first time as an attachment to this form, assign an attachment identification (ID), mark the attachment with that ID, and attach the separate monitoring report to this form.

Form B - Semi-Annual Monitoring Report

Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation		Facility: Pleasants / Willow Island Power Station	Permit Number: R30-07300005-2013 (MM01)
For the reporting period beginning 01 / 01 / 2016 and ending 06 / 30 / 2017			
Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Pleasants Units 1, 2	4.2.2 / 4.4.4 CAM Compliance: Continuous monitoring of ESP power with 4 recorded readings per hour (voltage, current, kW). ESP power (kW) is averaged on a 3-hr basis.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attachment #1
Pleasants Stack 1, 2	4.2.4 Records of SO ₂ , NO _x and CO ₂ emissions (CEM – Quarterly Reports for SO ₂ and NO _x)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1 st Quarter submitted 04/25/2017 2 nd Quarter submitted 07/24/2017
Pleasants Stack 1, 2	4.1.9.b Refined Coal monitoring of flue gas temperature, urea flow, dates/times urea was discontinued due to temperature.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Existing RICE Engines	4.1.22 / 4.1.23 / 4.4.7 / 4.5.6 Emergency Generators 1 and 2, and Fire Pump 1 recordkeeping	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants New RICE Engines	4.1.24 – 4.1.29 Fire Pump 2 recordkeeping, including NSPS compliance certification	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Stack 1, 2	4.1.30 SCR operations, records of and maintenance logs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Stack 1, 2	4.2.6 / 4.2.7 Monitor SBS system throughputs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:

All sources must complete this section. Use the table above to summarize all required monitoring, data, or analyses for the 6-month period. In the first column, list the emission units upon which the monitoring was performed. Use any Emission Unit ID's assigned in the permit, if no ID's in permit, generally describe. In the second column, describe the monitoring, data, or analysis and cross-reference the relevant permit term. In the third column indicate whether a separate monitoring report is required. Lastly, complete the fourth column only if you are required to submit a separate monitoring report. If submitted previously, indicate the date you submitted it; if submitted for the first time as an attachment to this form, assign an attachment identification (ID), mark the attachment with that ID, and attach the separate monitoring report to this form.

Form B - Semi-Annual Monitoring Report

Permittee: Allegheny Energy Supply Company, LLC, a Subsidiary of First Energy Corporation

Facility: Pleasants / Willow Island Power Station

Permit Number: R30-07300005-2008 , 2013 (MM01)

For the reporting period beginning 01 / 01 / 2017 and ending 06 / 30 / 2017

Emission Unit ID	Monitoring, Data, or Analysis Required by the Permit	Separate Monitoring Report?	Date of Separate Report Submittal or Attachment ID
Pleasants Stack 1.2	4.4.6 / 4.5.5 Records and reporting of malfunctions of air pollution control equipment if causing excess emissions.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Stack 1.2	5.1.5 / 5.2.2. Monitoring records of daily S-Sorb deliveries and rolling twelve month total tons.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Stack 1.2	5.1.8 / 5.2.3 Monitoring records of daily Mitigent deliveries and rolling twelve month total tons.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Stack 1.2	5.1.10 / 5.2.4 Monitoring records of daily MerSorb deliveries and rolling twelve month total gallons.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Lime Silos Coal & Ash Handling	5.2.1 / 5.4.1 / 5.4.2 Weekly Method 22 (Visible Emissions) inspections. Follow-up with Method 9 inspection as necessary. Annual Method 9 for all Coal and Ash Handling emission points.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Gypsum Facility	6.2.1 Weekly Method 22 (Visible Emissions) inspections of all synthetic gypsum handling equipment and storage dome.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Gypsum Facility	6.4.1 Monthly and annual records of the amount of gypsum produced, and the amount loaded to barges.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:
Pleasants Gypsum Facility	6.4.3 Daily records of the use of any dust suppressants or other suitable dust control measures. Inspect fugitive dust control systems, record any maintenance or corrective actions taken and/or any times the systems were inoperable.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Attachment ID:

All sources must complete this section. Use the table above to summarize all required monitoring, data, or analyses for the 6-month period. In the first column, list the emission units upon which the monitoring was performed. Use any Emission Unit ID's assigned in the permit, if no ID's in permit, generally describe. In the second column, describe the monitoring, data, or analysis and cross-reference the relevant permit term. In the third column indicate whether a separate monitoring report is required. Lastly, complete the fourth column only if you are required to submit a separate monitoring report. If submitted previously, indicate the date you submitted it; if submitted for the first time as an attachment to this form, assign an attachment identification (ID), mark the attachment with that ID, and attach the separate monitoring report to this form.

Form C – Deviation Report¹

Permittee: Allegheny Energy Supply Company, LLC, a
Subsidiary of First Energy Corporation

Facility: Pleasant / Willow Island Power Station

Permit Number: R30-07300005-2013 (MM01)

For the reporting period beginning 01 / 01 / 2017 and ending 06/30/2017

Emission Unit ID	Condition Number of Permit Requirement	Term or Condition that is the Basis for Certification	What was the deviation? ² from the Term or Condition?	What was the cause for the deviation? ² And what type of corrective measures were taken?	Deviation Time Period Date (mo/day/yr) Time (hr:min)
N/A					Beginning <input type="checkbox"/> am <input type="checkbox"/> pm Ending <input type="checkbox"/> am <input type="checkbox"/> pm

¹If there are no deviations to report for this period, place "None" in the first row on the form.

²A deviation is defined as any period when the permittee failed to meet the terms or conditions of their permit. A deviation is not necessarily a violation. Violations will be determined by DAQ and/or EPA.

Pleasants Power Station**Compliance Assurance Monitoring (CAM) Summary Report**Reporting Period

January 1, 2017 through June 30, 2017

Company: Allegheny Energy Supply *Pleasants Power Station*
Address: #1 Power Station Boulevard Willow Island, WV 26134
Unit Description: Coal Fired Generating Facility

Pollutant: Particulate Matter **Emission Limit:** 312.25 lbs/hr per Unit

Emissions Data Summary		Unit 1	Unit 2
Total source hours of operation (hr)		2,811	3,714
1. Duration (hr) of excess emissions in reporting period due to:			
a.)	<i>Startup/shutdown</i>	0	0
b.)	<i>Control equipment problems</i>	0	0
c.)	<i>Process problems</i>	0	0
d.)	<i>Other known problems</i>	0	0
e.)	<i>Unknown excess emissions cause</i>	0	0
2. Total duration of excess emission (hr)		0	0
3. Excess emissions duration (%)		0.0%	0.0%
1. Monitoring downtime (hr) in reporting period due to:			
a.)	<i>Monitoring equipment malfunction</i>	0.0	0.0
b.)	<i>Non-monitoring equipment malfunction</i>	0	0
c.)	<i>Quality assurance calibration</i>	0	0
d.)	<i>Other known cause</i>	0	0
e.)	<i>Unknown causes</i>	0	0
2. Total CEMS downtime (hr)		0.0	0.0
3. Cems downtime (%)		0.0%	0.0%